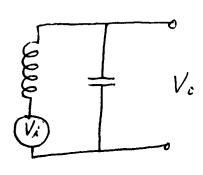
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то :	The Files	DATE: 30 July 1956	
FROM:			2
SUBJECT:	(Visit to	Contract RD-107, T.O. 4)	2
	1. A meeting was held	on 24 July at	25
	P.	resent at the meeting were:	2! 2!
		$\frac{1}{1}$ informed that mid-frequency of antenna	2
matri	2. was should be 25.26 kc.	g informed that mid-frequency of another	۷,
had been the manter	erent materials that hap been achieved. He furth made of the mutual coup matrix and it had been f mas there was coupling	that by trying various windings on three pened to be on hand, an antenna Q of 120 her stated that some investigation had ling between the various antennas of cound that for a 2 inch spacing between coefficient of .05. has of adding the antenna outputs and has	2
alres figur	adv achieved a transisto	or isolation stage design with a noise ing on giving us a single output rather	2
a tir	onent antennas will be d	n of the complete matrix is that all eveloped together rather than one at enna design will not be finished appre-	
futui	5. The following relat re correspondence:	ions and definitions may be used in	
	Sensitivity is pow	er output per unit field strength.	
	Effective permeabito initial permeab	lity at low signal strength is equal	
AS REV DATE	1 APR BY 064540 56 TYPE 02	CONFIDENTIAL	
COMP 033 OPI CLASS PAGES	TYPE		25

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Vi - Induced Voltage
Vo - output Voltage

Antenna Equivilent ckt.

Vi (f) = ), Normite, Cold dimensions

where Nervite is effective permishelity of The ferrite and a function of Torroidal Permishelity and length/diam. ratio.

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